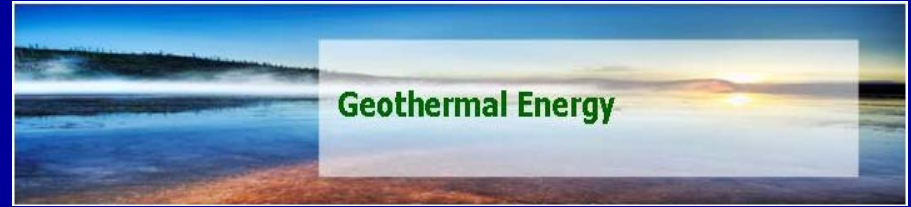


# Energy and Telecommunications Interim Committee

November 2007



# Our Mission



The Division's mission centers around promoting and developing additional energy distribution capacity so that potential jobs become actual jobs and Montana's tax base is further enhanced for the benefit of its citizens. Increased distribution capacity also paves the way for clean, green energy creation and utilization. We will work to facilitate the promotion and development of energy infrastructure that will allow the responsible development of Montana's abundant energy resources including wind, bio-fuels, geothermal, biomass and clean coal gasification, liquefaction and power production which use carbon sequestration technologies when possible.



# Montana Energy Mission II

“Montana is on the move and open for business”

Alberta royalty increases up \$1.4 billion

Montana = friendly business environment

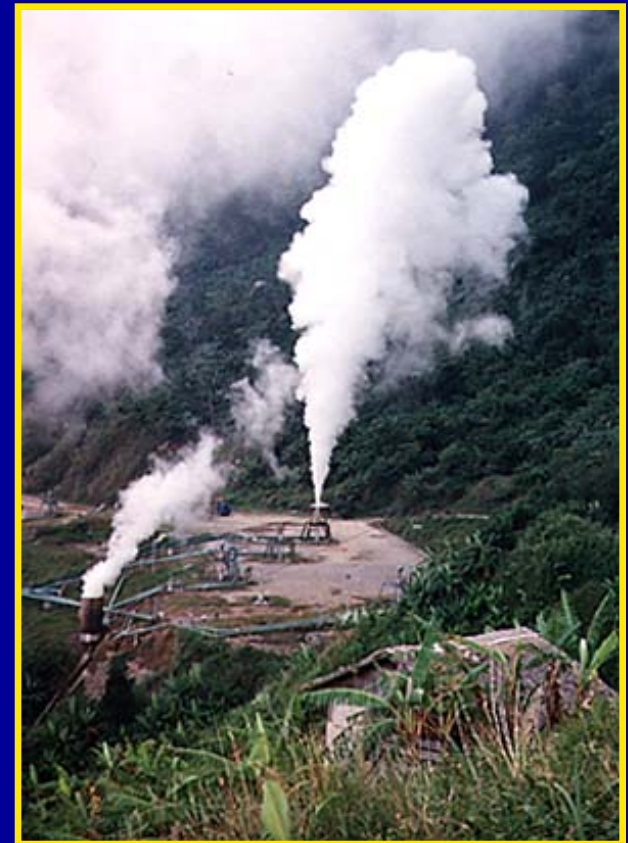
Strengthened relations with businesses holding interests in Montana

Invited new businesses to “come on down!”



# Icelandic Delegation meets with Montana Geothermal prospects

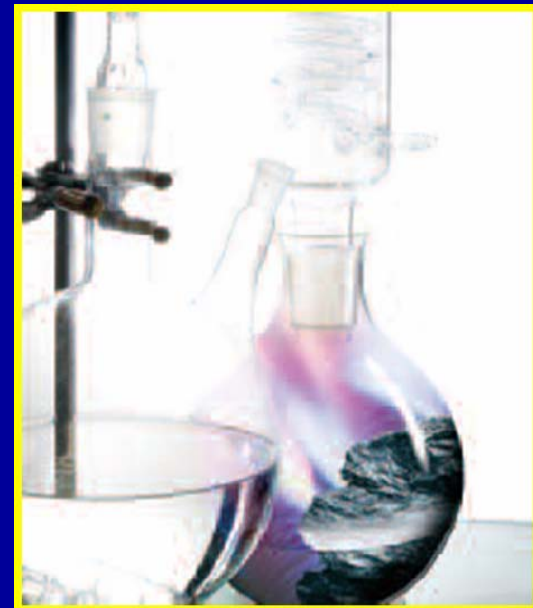
- EIPD co-hosted delegation of Icelandic government and business leaders
- Discovered great potential for Geothermal development in Montana
- Possible Mission II to Iceland
- Potential Geothermal Symposium working with Senator Tester and DEQ





# Malmstrom AFB and Coal to Liquid

- Industry Day – Early 2008. EIPD will work closely with the Air Force to bring developers to Malmstrom
- EIPD continues to hold a seat at the table

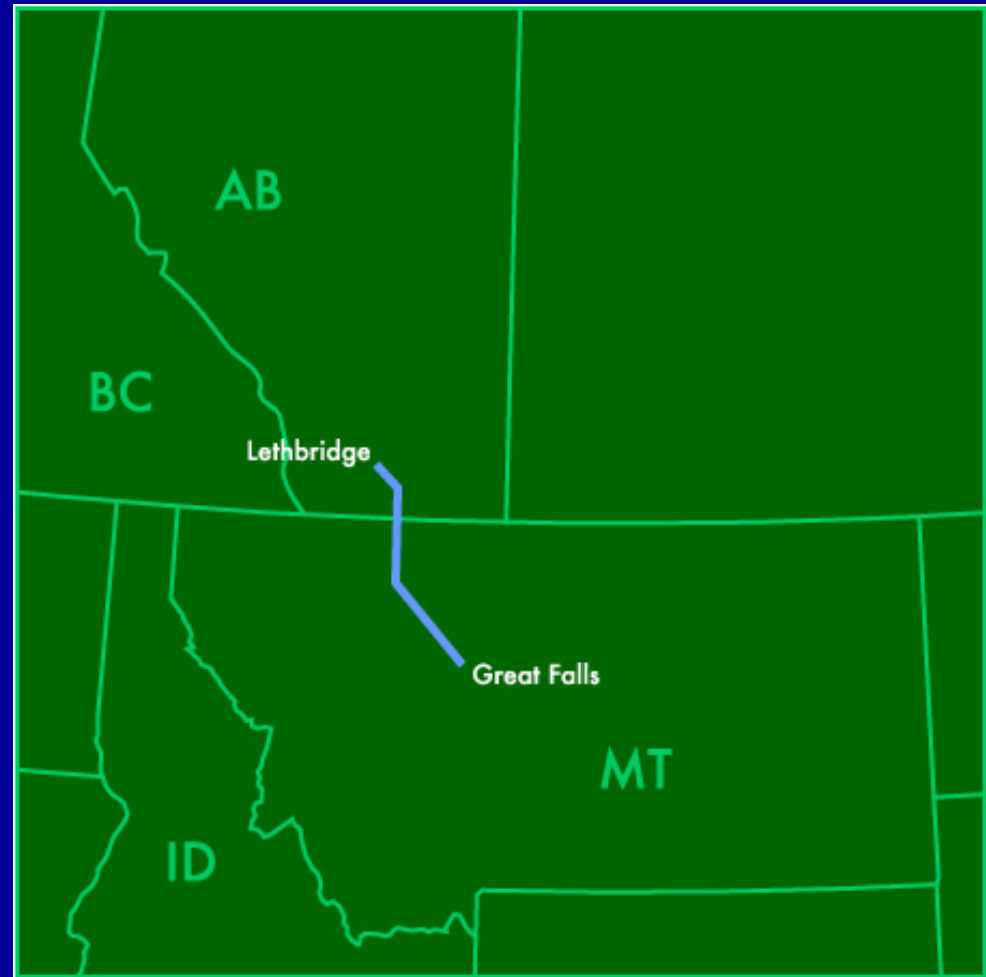


# WGA - WEIB

- WIEB - Western Interstate Energy Board
- LBNL study results - IGCC/CTL/Wind hybrid power plants would be cost competitive with NGCC using 6.5 dollar natural gas
- Federal Climate Change Legislation - S2191, establishing carbon cap and trade system, has gained momentum
- Western Renewable Energy Zones (WREZ) - proposal would identify renewable in the west and transmission lines to access them
- Alternative Transportation Fuels - proposed policy document to be released soon

# Montana Alberta Tie Ltd

- EIPD facilitates Working Group
- Final stages of permitting
- Groundbreaking early 2008



# Mountain States Transmission Intertie



- EIPD continues to facilitate
- NorthWestern exploring connection options in Montana
- EIPD working on Federal transmission corridor comments



# Northern Lights



- EIPD meets TransCanada with Governor
- RPS's in load centers are driving increased interest in multi-state transmission

# MIT – Future of Geothermal Energy

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“(Currently there is) installed world electrical generating capacity of nearly 10,000 MWe and a direct-use, nonelectric capacity of more than 100,000 MWt (thermal megawatts of power)”.

# MIT – Future of Geothermal Energy

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“A cumulative capacity of more than 100,000 MWe from EGS can be achieved in the United States within 50 years with a modest, multiyear federal investment for RD&D (\$800 million to \$1 billion in the next 15 years)”.

# MIT – Future of Geothermal Energy

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“The accessible geothermal resource, based on existing extractive technology, is large and contained in a continuum of grades...”

# MIT – Future of Geothermal Energy

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“We estimated the extractable portion (of geothermal energy potential) to exceed 200,000 EJ or about 2,000 times the annual consumption of primary energy in the United States in 2005.”

# MIT – Future of Geothermal Energy

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“Using co-produced hot water, available in large quantities at temperatures up to 100°C or more from existing oil and gas operations, it is possible to generate up to 11,000 MWe”.



# Staffing

- Last FTE position closed November 7
- Pay-band 6
- Requires engineering background



Marty Tuttle — Division Administrator

Tom Kaiserski — Program Manager

Chantel McCormick — Energy Development Officer

Sarah Trueax-Desmond — Program Assistant

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